IN THE CLAIMS

1. (currently amended) An installation for processing plate-shaped substrates, especially for coating panes of glass, comprising a transport path on which the substrates to be processed are successively fed to a processing station, and ~~comprising~~ a light barrier over the transport path in order to be able to control the flow of the substrates, wherein the light barrier comprises ~~consists of~~ an emitter which emits a light beam over the transport path to a receiver connected to an electronic evaluation device, which is installed such that, as a result of the shading of the receiver by the substrates guided over the transport path, it generates a switching signal which indicates the presence of a substrate in the light beam, wherein ~~characterised in that~~ the receiver ~~(14)~~ has a plurality of light-sensitive cells ~~(16)~~ arranged one above the other, wherein the evaluation circuit ~~(6)~~ is set up such that the switching signal is emitted when more than a certain minimum number of cells is shaded.

2. (currently amended) The installation according to claim 1, wherein ~~characterised in that~~ a part of the cells ~~(16)~~ forms a detection region ~~(18)~~ and that the switching signal is emitted when more than a certain minimum number of cells ~~(16)~~ is shaded in the detection region ~~(18)~~.

3. (currently amended) The installation according to claim 2, wherein ~~characterised in that~~ the minimum number of cells ~~(16)~~, the shading of which triggers a switching signal, is determined such that the vertical region covered thereby is smaller than the smallest substrate height to be processed by the installation.

4. (currently amended) The installation according to claim 1, wherein ~~any one of the preceding claims, characterised in that~~ the switching signal contains the number of shaded cells ~~(16)~~.

5. (new) The installation according to claim 2, wherein the switching signal contains the number of shaded cells.

6. (new) The installation according to claim 3, wherein the switching signal contains the number of shaded cells.